# POWER-CONSERVING INTUITIVE DEVICE DISCOVERY TECHNIQUE IN A BLUETOOTH ENVIRONMENT


## ABSTRACT OF THE INVENTION

A method and system for managing when a responder device (a device having a transceiver for wireless communication) is operating in a discoverable mode in a wireless network of devices, such as a Bluetooth network. In the discoverable mode, the responder device is set to scan for and respond to general inquiry messages broadcast from another device (e.g., an initiator device). When in the non-discoverable mode, the responder device will not respond to and/or scan for general inquiry messages broadcast from an initiator device. The responder device automatically enters the discoverable mode when the responder device enters into its awake mode. The responder device automatically enters the non-discoverable mode when the device enters into its sleep mode. Therefore, the responder device will be in discoverable mode for a reduced period of time, and as such will respond to fewer general inquiry messages. Accordingly, fewer messages will be exchanged between devices in the wireless network, simplifying the device discovery process for users and conserving the battery resources of the initiator and responder devices.